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% This file extracts generators bid information from zip files
% Only extracts "ENERGY" bids
% see "Bid file notes.tex" for details on information in the zip files

clc;

a = dir('PUBLIC_YESTBID*.zip');          % load file info of all csv files
nof = numel(a);                          % number of csv files

for j = 1:nof

    unzip(a(j).name);                    % extracts csv file from zip file
    b = dir('PUBLIC_YESTBID*.csv');       % get info about csv file
    [num, txt] = xlsread(b(1).name);     % num will not have Cols 1 and 2
    delete PUBLIC_YESTBID*.csv;          % delete the csv file

    temp1=txt(:,6);
    temp1(:,1) = {'ENERGY'};              % select rows for ENERGY only
    ind1       = cellfun(@isequal,txt(:,7),temp1);
    temp1(:,1) = {'BIDTYPE'};             % selects header rows only
    ind2       = cellfun(@isequal,txt(:,7),temp1);
    ind        = or(ind1,ind2);

    num = [num(1,:); num(ind,:)];
    txt = [txt(1,:); txt(ind,:)];

    tempname = char(b(1).name);
    fname     = ['reduced_' tempname(1:end-4)]; % form filename
    eval(['save ' fname ' num txt']);          % save file

    clear fname num txt ind ind1 ind2 temp1

    temp2 = 2;

end % end of csv files loop

% end
```